

K.H.L. Key
10-21/10/66

10/10/66

10510 Mallee to 15ft on undulating red-brown
Genus nov. 48 sp. 3, Genus nov. 95 ochracea.
sand with scattered *Troodia irritans*, *Cassia*
sp., *Kochia sp.*, *Bassia sp.*, etc. — on road
Balrarnald to Euston.

510 40 mile peg to Euston.

12/10

(3 mi. peg)

11000 Post Augusta outskirts, left on
Wilmington road.

003. *Kochia pyramidata*, *Atriplex vesicaria*,
Austrocyathus, *Keyacris sp. P110a*, *Moraba sp. P29*,
dense to 3ft with scattered *Acacia*
Replensia sp. 2, *Caperula sp. 1*, *Macrolopholia sp. (1)*, *Cratilopus*
Victoriae on flat brown soil plain,
sp. 2, *Coryphisthes ruscicola*
low *Bassias* & other annuals to 9 in.,
much bare ground.

010. Undulating red-brown soil with bare
Cupressus hirsuta, *Chorizanthe tenuifolia*,
patches with abundant stones of
Austrocyathus cruciata
different sizes. Open *K. pyramidata* to
2ft. w sparse *Bassias* & ephemerals,
incl. some grass, to 6 in., consid. bare
ground, trace of self-mulching. ? *Cupressus*

on the most stony & barest patches
sloping down to a gutter.

015. 17-mi. peg from Port Augusta, Dry
^{shallow} creek w. *canadulensis* to 50ft & *Atriplex*
Goniacoides sp. 8, *Capemala* sp. 1, *Azelota diversipes*,
or *Rhagodia* to 2ft leading up to steep
Escaballia obscura, *Apotopis vittata*, *Genus* nov. 95
very stony treeless slopes of Flinders
ochracea, *Peribocia vittata*, *Austroicetes cruciata*,
Range w. sparse grass & herbage to 1ft.
Goniacia australasica
but often 3in on scattered bare
patches, on the south-facing slope w.
fairly dense *Acacia victoriae* & 2 other
phyllode acacias (spec. Marg.)

018. Summit of Horrock's Pass. Hilly, steep
Cratilopus sp. 4, *Austroicetes arida*, *Azelota diversipes*,
slopes, with remotely spaced mallee
Peribocia vittata
erect, grass, incl. *Boerhaavia* dense
to 1ft w patchy *Echinum plantaginifolium*,
patchy bare ground w very thin 3in
grass herbage & much small stone.
Cratilopus on this.

020. Turn-off to Hancock's look-out

025. Hancock's look-out. Return.

032 Wilmington049. Bruce053 = 049. Return on Wilmington road057 Level brown soil with patches of stone average diam 2 in. Barley grass (dead) to 3 in mainly dense, w bare stony patches.13/10.11099 3 mi. S. from Port Augusta.102. Stirling North.109. Steep slopes with smooth irregular, *Cupressus testacea*, *Chortoietes tenuifera*, *Cap. corala* sp. 1, mainly pale stones, average size 3 in. on *Perloccia-cuittata*, *Austroicetes cruciata*, *Cratilopus* sp. 2, brown soil. Fairly dense *K. pyramidata* *Beflessia* sp. 2, *Moraba* sp. P29 to 1 ft with sparse grass to 2 in + much bare stony ground.114 Halls to 10 ft + scattered *Callitris* to 20 ft on steep rocky slopes with *Trodia-cuittata*, *Sermonov. 95 ochracea* sp. + low cover.123 Quorn.124 Depart Quorn

138. Warren's Gorge, E. camaldulensis to
Exarhalltia obscura, *Azylota diversipes*,
 beft in creek leading to *Callitris huegelii* on
Soniaoidea sp. 8, *Perloccia vittata*
 stony slopes w. widely scattered clumps
 of *Triodia* & low grasses to 3 in. Much
 bare ground. Brown soil.

147 Buckaringa Gorge. Very steep rocky
Azylota diversipes, *Perloccia vittata*
 slopes with *Callitris huegelii* leading
 down to a creek with E. camaldulensis.
 Brown soil. *Triodia* sp., *Cassinia* sp., &
 other small shrubs to 2 ft., sparse grass
 to 6 in.

14/10.

169. Depart Quorn for Hawker.

174. Flat plain with brown soil, slightly
Cupressa hatacea, *Austroicetes cruciata*
 self-mulching in places with scattered
 depressions bearing green herbage, & large
 bare patches of stone averaging 2 in in diam.
 Grass & forbs, mainly dead, to 3 in. Chort.

191. Gordon

192. Creek with camaldulensis leading
Capenala sp. 1, *Austroicetes cruciata*, *Apotropis vittata*

up to somewhat stony brown soil w
scattered *K. pyramidata* + *A. victoriae*.
A. cruciata abundant.

195. Stony slope, brown soil. Mainly *Bassia*
Caperrala sp. 1
sp. to 2 in, v. occ. *K. pyramidata*. Slight
tendency to depressions.

200. Slope with vertically bedded shale.
Caperrala sp. 1
Brown soil. Miscellaneous shrubs to 1 ft,
Bassia + grasses, some bare ground.

202. Wilson.

212. Hawker.

16/10
255. Wilpena Penn & Chabot depart.

258. Turned left to Blinman

261. Bulgeroo turn-off

274. Oroporina H.S.

279. Brachina turn-off

282 Steep slope with horizontally bedded
Azclota diversipes, *Apotropis vittata*
outcrops of shale + much irregular broken
stone. Scattered
Hakea sp. to 10 ft w scattered
Callitris huegelii to 20 ft + occ. mallee to

15ft. Herbage to 9in, mostly dry.

297. Blinman. Cemetery. Fairly dense stand
Caperata sp. 1, *Apotropis vittata*, *Heliotropes cruciata*
 of *Helichrysum* sp., *Kochia* sp., *Streptelasma vesicaria*,
 all to 1ft. w ground cover of grasses & forbs
 to 6in on brown soil gentle slope.

303. Dry creek w occ. *camaldulensis* L.
Goniocoides sp. 8, *Apotropis vittata*, *Pardillana* sp.,
 50ft., *Acacia* spp. to 6ft, *Cassia* sp to 4ft &
Goniocoides australasica, *Agelota diversipes*
 misc. smaller shrubs; grasses & forbs to
 1ft, wild hops occ. Stony.

306 Angorichina Hostel

308. Steep stony slope w occ. *A. victoriae*.

Ground cover mainly *Trichium* sp. to 6in.
 Matted on ground.

313 Gentle stony slope w *A. victoriae* leading
 scattered:
 more numerous *Cupressus hibernica*,
 to stony flat w *K. pyramidata*. *Bassia*
Umsa guttulosa, *Pycnostictus seriatus*
 sp. to 3in sparse.

319. Parachilna

[On 15/10 collected on the floor of the Ponds
Agelota diversipes, shrubby *Apotropis vittata*, *Peribacca*
 and on the lower slopes of the rocky
vittata, *Cirphula junqi*, *Chortolites tenuifera*,
 northern saddle, 6mi. from the Chalet.]
Pycnostictus seriatus

fairly dense

17/10 Collected under *Calceolaria hirsuta* &
Exarthralia obscura, *Coryphistes rubricola*,
Euc. intertextata on lower slopes of outer
Perloccia vittata, *Goniacoidea* sp. 2 (p), *Aphotropis*
 wall of Ponn within 1 mi. N. + S. of
vittata, *Austroicetes cruciata*, *A. arida*
 the Chalet. Much stony ground, much
 debris under trees, esp. *E. intertextata*.
Exarthralia mainly associated with
 debris in vicinity of stones. Brown soil.

18/10

2 mi. from Chalet.

species

Mt. John, *Dumpracra*-group on a *Cassinia* (?)
Azelota diversipes, *Leurus* nov. sp. 1, *Moraba* sp.
 Growing sparingly in upper few hundred feet,
 P129, *M. sp.* (*viaticus* group)
viaticus-group species on *Olearia* sp. (?) on
 lower slopes. Tetragonioid on *Triodia* sp.
 The greater part of the mountain is treeless,
 with a little mallee to 8 ft near summit.
 Mainly low shrubs to 1 ft, *Triodia*, &
Leomandra. Very poor grasshopper population.

376 Wilpuna Chalet depart.382 Turned off to Bunyeroo Valley

383 Rolling hills with outcropping dark shale
Austroicetes cruciata, *A. arida*, *Chortoicetes*
 + patches of flat stone, skeletal soil. Widely
terminifera, *Exarthralia obscura*

scattered *Calamagrostis*, a perennial tussocky grass to 1ft moderately dense; other grasses to 6 in.

386. Forked left.

388. Belt of large dark brown boulders of very coarse sandstone w. a perennial grass tussocks to 1ft, *Solanum* sp. & *Trichinium* to 9 in. Chert.

394 Bungee Gorge. Gravelly & sandy bed of *Isocarallia obscura*, *Goniaeoidea* sp. 8, *Sphingonotus* Creek, lined with *canadulensis* to 80 ft. *Erythrophemus*, *Peroloccia* *multibata*
Goniaea australasica + *Pardillana* nymphs.
Chert. Low green herbage on banks.

19/10

471 Cradock

499. Carrieton

509. Eucelia

524. Otterroo

568. Flat plain w brown soil, mainly bare with stones of various colours, sparse *Cratichneumon* sp. 1, *Phanerocerus* *testudo*, *Austroicetes* *cruciata*, *Qualetha* *maculata*
Bassia + *Atriplex* spp. to 3 in, patches dense

Calocophalus sp., grass & *Atriplex* to 9 in.

577. Joined Peterborough-Broken Hill road.

579. Paratoo?

593. Yunta

21/10.

12094 Left Lake Cargelligo on Hillston road.

12104. Northern tip of low range running
Coryphantha muricata, *Opuntia maculata*,
 north-south. Steep rocky & stony slope
Lemmonia var. 95 *ochracea*.
 with *E. divyri* (?) & *C. huegelii* leading to
 gentle lower slope w. *E. populifolia*,
E. intertexta, *C. huegelii*, & occ. *vilga*,
 buddah & Kurrajong. Small fern among
 rocks in places. Sparse grasses *suaeda*
 to 6 in., now green, but severe drought
 previously. Return to Lake Cargelligo.